

1 WHAT IS CLAIMED IS:

2 1. A power distribution control apparatus of a four wheel
3 drive vehicle for controlling a power distribution ratio between
4 front and rear wheels, said apparatus having a transfer having
5 at least one vehicle behavior control means for controlling
6 behaviors of said vehicle, comprising:

7 friction clutch means;

8 power distribution control means for changing said power
9 distribution ratio by varying a torque transmission capacity of
10 said friction clutch means; and

11 torque transmission capacity control means for
12 controlling said torque transmission capacity so as to come within
13 a preestablished region for avoiding a control interference with
14 said vehicle behavior control means and further controlling said
15 torque transmission capacity so as to become larger with an
16 increase of input torque of said transfer.

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18 2. The power distribution control apparatus according to
19 claim 1, wherein said torque transmission capacity control means
20 correct said torque transmission capacity so as to increase power
21 to be distributed to said front wheels when said vehicle is in
22 an oversteer tendency and so as to increase power to be distributed
23 to said rear wheels when said vehicle is in an understeer tendency.

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